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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/972,758

DATE: 02/11/2002

TIME: 09:29:31

Input Set : A:\277084004.ST25.txt

Output Set: N:\CRF3\02112002\I972758.raw

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3 <110> APPLICANT: Case Western Reserve University
4     Montano, Monica
5     Wittman, Bryan
7 <120> TITLE OF INVENTION: Suppressors of Human Breast Cancer Cell Growth
9 <130> FILE REFERENCE: 27708/04004
11 <140> CURRENT APPLICATION NUMBER: US 09/972758
12 <141> CURRENT FILING DATE: 2001-10-05
14 <150> PRIOR APPLICATION NUMBER: US 60/238,187
15 <151> PRIOR FILING DATE: 2000-10-05
17 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: PatentIn version 3.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1080
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
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31 cccgaggagg acagtaggtg gcaatcgaga gcggtcccc agttgggtgg ccgtccgggg      180
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35 gaatctagct gctgagaga gggcgagaag ggccagaatg gggacgactc gtccgctggc      300
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39 ccttgtcatt actcagaggc cagtaagttg ggggctcctg ccgaggggg cgaagaggag      420
41 tggggacagc agcagagaca gctggggaag aaaaaacata agagacgccc gtccaagaag      480
43 aagcggcatt ggaaaccgta ctacaagctg aactgggaag agaagaaaaa gttcgacgag      540
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47 gcgccctata acaccacgca gttcctcatg gatgatcag accaggagga gccgcatctc      660
49 aaaaccggcc tgtactccaa gcgggccgcc gccaaatccg acgacaccag cgatgacgac      720
51 ttcattggaag aaggggggtga ggaggatggg ggcagcgatg ggatgggagg ggacggcagc      780
53 gaggttctgc agcgggactt ctcgagagac tacgagcggg accacacgga gagcctgcag      840
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57 atggaggacg agaacaaccg gctgcggctg gagagcaagc ggctgggtgg cgacgacgcg      960
59 cgtgtgcggg agctggagct ggagctggac cggctgcgcg ccgagaacct ccagctgctg     1020
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65 <211> LENGTH: 359
66 <212> TYPE: PRT
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74 Asn Cys Thr Gly Ala Ala Ala Val Gln Glu Glu Leu Asn Pro Glu Arg
75           20           25           30

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77 Pro Pro Gly Ala Glu Glu Arg Val Pro Glu Glu Asp Ser Arg Trp Gln
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80 Ser Arg Ala Phe Pro Gln Leu Gly Gly Arg Pro Gly Pro Glu Gly Glu
81      50      55      60
83 Gly Ser Leu Glu Ser Gln Pro Pro Pro Leu Gln Thr Gln Ala Cys Pro
84 65      70      75      80
86 Glu Ser Ser Cys Leu Arg Glu Gly Glu Lys Gly Gln Asn Gly Asp Asp
87      85      90      95
89 Ser Ser Ala Gly Gly Asp Phe Pro Pro Pro Ala Glu Val Glu Pro Thr
90      100      105      110
92 Pro Glu Ala Glu Leu Leu Ala Gln Pro Cys His Asp Ser Glu Ala Ser
93      115      120      125
95 Lys Leu Gly Ala Pro Ala Ala Gly Gly Glu Glu Glu Trp Gly Gln Gln
96      130      135      140
98 Gln Arg Gln Leu Gly Lys Lys Lys His Arg Arg Arg Pro Ser Lys Lys
99 145      150      155      160
101 Lys Arg His Trp Lys Pro Tyr Tyr Lys Leu Thr Trp Glu Glu Lys Lys
102      165      170      175
104 Lys Phe Asp Glu Lys Gln Ser Leu Arg Ala Ser Arg Ile Arg Ala Glu
105      180      185      190
107 Met Phe Ala Lys Gly Gln Pro Val Ala Pro Tyr Asn Thr Thr Gln Phe
108      195      200      205
110 Leu Met Asp Asp His Asp Gln Glu Glu Pro Asp Leu Lys Thr Gly Leu
111      210      215      220
113 Tyr Ser Lys Arg Ala Ala Ala Lys Ser Asp Asp Thr Ser Asp Asp Asp
114 225      230      235      240
116 Phe Met Glu Glu Gly Gly Glu Glu Asp Gly Gly Ser Asp Gly Met Gly
117      245      250      255
119 Gly Asp Gly Ser Glu Phe Leu Gln Arg Asp Phe Ser Glu Thr Tyr Glu
120      260      265      270
122 Arg Tyr His Thr Glu Ser Leu Gln Asn Met Ser Lys Gln Glu Leu Ile
123      275      280      285
125 Lys Glu Tyr Leu Glu Leu Glu Lys Cys Leu Ser Arg Met Glu Asp Glu
126      290      295      300
128 Asn Asn Arg Leu Arg Leu Glu Ser Lys Arg Leu Gly Gly Asp Asp Ala
129 305      310      315      320
131 Arg Val Arg Glu Leu Glu Leu Glu Leu Asp Arg Leu Arg Ala Glu Asn
132      325      330      335
134 Leu Gln Leu Leu Thr Glu Asn Glu Leu His Arg Gln Gln Glu Arg Ala
135      340      345      350
137 Pro Leu Ser Lys Phe Gly Asp
138      355

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VERIFICATION SUMMARY

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